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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/561,611	12/20/2005	Wolfram Stuer	12810-00181-US1 6531	
	7590 09/06/200 BOVE LODGE & HUT	EXAMINER		
P O BOX 2207		PUTTLITZ, KARL J		
WILMINGTON, DE 19899			ART UNIT	PAPER NUMBER
			1621	
			MAIL DATE	DELIVERY MODE
			09/06/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Application No.	Applicant(s)		
Office Action Summary		10/561,611	STUER ET AL.		
	cine including cannuary	Examiner	Art Unit		
_	- The MAILING DATE of this communication app	Karl J. Puttlitz	1621		
Period fo	r Reply	ears on the cover sneet with the c	orrespondence address		
WHIC - Exten after S - If NO - Failure Any re	DRTENED STATUTORY PERIOD FOR REPLY HEVER IS LONGER, FROM THE MAILING DASIONS of time may be available under the provisions of 37 CFR 1.13 (SIX (6) MONTHS from the mailing date of this communication. period for reply is specified above, the maximum statutory period we to reply within the set or extended period for reply will, by statute, apply received by the Office later than three months after the mailing d patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).		
Status					
1)[🛛	Responsive to communication(s) filed on <u>20 December 2005</u> .				
2a)[This action is FINAL . 2b)⊠ This action is non-final.				
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is				
ı	closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	33 O.G. 213.		
Disposition	on of Claims				
5)□ = 6)⊠ = 7)□ =	Claim(s) <u>1-34</u> is/are pending in the application. 4a) Of the above claim(s) is/are withdraw Claim(s) is/are allowed. Claim(s) <u>1-34</u> is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or	vn from consideration.			
	on Papers				
	The specification is objected to by the Examiner		_		
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.					
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).					
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.					
	nder 35 U.S.C. § 119				
12)⊠ <i>A</i> a)∑	Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority application from the International Bureau tee the attached detailed Office action for a list of	s have been received. s have been received in Application ity documents have been receive (PCT Rule 17.2(a)).	on No ed in this National Stage		
		2 222 20	KARL PUTTLITZ		
Attachment(•		(PTO.413) E DI JUST		
	of References Cited (PTO-892) of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summary (Paper No(s)/Mail Da	(110-410)		
3) 🛭 Inform	ation Disclosure Statement(s) (PTO/SB/08) No(s)/Mail Date 12/20/2005.	5) Notice of Informal Pa			

DETAILED ACTION

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 6 and 13 rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

It is unclear how the reaction mixture can comprise a catalyst other than rhodium when claim 1 requires that rhodium be present.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-34 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 5,099,061 (US 061) in view of U.S. Patent No. 4,889,949 (US 949) and U.S. Patent No. 4,927,959 (US 957).

The claims cover, inter alia, A distillation process comprising: removing a compound that includes at least two functional groups which are each independently selected from the group consisting of nitrile group, carboxylic acid group, carboxylic ester group and carboxamide group, from a mixture, wherein the mixture comprises the compound that includes the at least two functional groups, and a compound which is

homogeneous with respect to the mixture and comprises rhodium, by distillation wherein the distillation is conducted at an average mean residence time from 1 to 45 minutes, see claim1.

US 061 teaches a process to homodimerize or codimerize functionalized terminal olefins in a linear, tail-to-tail fashion, or to dimerize functionalized terminal olefins with terminal alkenes. The products of the process of this invention are linear, functionalized olefins in which a carbon-carbon bond has been formed between the methylene carbons of the olefin reactants. The catalysts are as follows:

The examiner notes that US 061 contemplates different functionalized olefins and their products by the term "dimerize functionalized terminal olefins", and therefore, the producing claimed products comprising nitriles, carboxy and carboxamides are well within the expectation of success of those of ordinary skill, based on US 061 since this

The diference between US 061 and the process covered by the rejected claims is that US 061 fails to explicitly teach recovery of the compound with two functionalities by

reference describes a general process for dimierization of these compounds.

distillation.

However, recovery of these products from a dimierization process mixture by distillation, is well within the purview of those of ordinary skill, see for example, US957 at column 4, lines 33+ and US 949 at column 5, lines 20+. Therefore, since US 957 and US 949 both teach methods of recovering products of the kind claimed from dimerization mixtures by distillation, it would have been obvious to those to substitute distillation in the process of US 061 to achieve a predictable result of isolating desired products.

Double Patenting

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. A nonstatutory obviousness-type double patenting rejection is appropriate where the conflicting claims are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., *In re Berg*, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent either is shown to be commonly owned with this application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement.

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

Claims 1-34 are provisionally rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 3-6, 8-15, 18, 30 and 36 of copending Application No. 10/560740. Although the conflicting claims are not

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identical, they are not patentably distinct from each other because the conflicting claims overlap in scope with the instant claims since the conflicting claims also recite a process for recovery of dimerization compounds from a rhodium-containing reaction mixture, and thus, would render the instant claims prima facie obvious.

This is a <u>provisional</u> obviousness-type double patenting rejection because the conflicting claims have not in fact been patented.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Karl J. Puttlitz whose telephone number is (571) 272-0645. The examiner can normally be reached on Monday to Friday from 9 a.m. to 5 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Yvonne Eyler, can be reached at telephone number (571) 272-0871. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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KARL PUTTLITZ
PATENT EXAMINER

4/21/2007